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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603,777	06/26/2003	Jea-Woan Lee	1567.1047	5869
	7590 05/10/2007 VEN & BUI, LLP		EXAM	INER
1400 EYE STREET, NW			WEINER, LAURA S	
SUITE 300 WASHINGTO	N, DC 20005		ART UNIT PAPER NUMBER	
			1745	
	·		MAIL DATE	DELIVERY MODE
			05/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	-
	10/603,777	LEE ET AL.	
Office Action Summary	Examiner	Art Unit	
·	Laura S. Weiner	1745	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with the o	correspondence address	
	VIC SET TO EXPIDE 2 MONTH	S) OP THIRTY (30) DA	VS
 A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). 	PATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communic D (35 U.S.C. § 133).	·
Status			
1) Responsive to communication(s) filed on 19 M	March 2007.		
2a) ☐ This action is FINAL . 2b) ☑ This	s action is non-final.		
3) Since this application is in condition for allowa	ance except for formal matters, pro	secution as to the merit	ts is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-6,8,14-21,23,24,26-29,33,37-41,47	7,63 and 65 is/are pending in the a	application.	
4a) Of the above claim(s) is/are withdra	· · · · · · · · · · · · · · · · · · ·		
5) Claim(s) <u>1-5,14-18,20,21,23,24,26-28,33,37-4</u>	10,47,63 and 65 is/are allowed.		
6)⊠ Claim(s) <u>6,8,19,29 and 41</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers		•	
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E			
Priority under 35 U.S.C. § 119		•	
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C. § 119(a)-(d) or (f).	
1. Certified copies of the priority documen	ts have been received.		
2. Certified copies of the priority documen	· · · · · · · · · · · · · · · · · · ·		
3. Copies of the certified copies of the price		ed in this National Stage	,
application from the International Burea	·	.1	
* See the attached detailed Office action for a list	t of the certified copies not receive	∋a.	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview Summary	·	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail D 5) Notice of Informal F		
Paper No(s)/Mail Date	6) Other:		

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 6, 8, 29 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

2. Claims 6, 8, 19, 29 and 41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 6 and claim 29 are rejected because it claims "wherein the substrate ...consists of a conductive material" but claims 1 and claim 20 from which claims 6 and 29 depend from claims that the substrate is selected from a conductive polymer film, a polymer film deposited with a metal and a polymer film incorporated with a conductive agent. Firstly, applicants argued that "a conductive polymer film" would not have a conductive material but because of its makeup it would be conductive. Secondly, claim 1 already cites "a polymer film incorporated with a conductive agent so it is unclear what claim 6 adds to this component of claim 1. Thirdly, if a conductive material is added to the negative electrode than it is unclear what the difference is between a conductive polymer film with a conductive material and a polymer film incorporated with a conductive agent and a conductive material.

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Claim 8 is rejected because the substrate could comprise a conductive polymer film or a polymer film incorporated with a conductive agent so it is unclear how the phrase "wherein the metal is copper or nickel" further limits claim 1.

Claim 19 and 41 are rejected because it is unclear what is meant by "compressing a lithium foil thereon". Also, what /where is the lithium foil on.

Allowable Subject Matter

3. Claims 1-5, 14-18, 20-21, 23-24, 26-28, 33, 37-40, 47, 63, 65 are allowed.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ohsawa et al. (5,162,178) teaches a negative electrode for a secondary battery having a current collector with an uneven rough surface made of a metal and a lithium metal thereon.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 57/1-2/12-1000.

Laura S Weiner
Primary Examiner
Art Unit 1745

May 9, 2007